Department of Public Health, Division of Air Quality (Cleveland Local Air Agency)

Date:

February 11, 2004

To: CC: Tammy Van Walsen, Ohio EPA Jeanne Mallet, Ohio EPA Legal

Morgan Electro Ceramics EAR Revision

Through:

Andrew D. Shroads, Field Enforcement Manager, CLAA

From: RE: Valencia White, Environmental Enforcement Specialist, CLAA

Tammy,

Morgan Electro Ceramics, Inc. (1318031627) has submitted the a permit-to-install (PTI) application and confirmation of their submission of Fee Emissions Reports for calendar years 1994 through 2003. These documents were required in reference to their original Notice of Violation. The EAR submitted in January for this facility has been revised (with redline/strikeout) to reflect the ongoing compliance milestones Morgan has achieved. Please do not hesitate to call me at 216-664-2953 or Andrew D. Shroads at 216-664-3213 if you require additional information.

VW

Attachments:

Revised pages of Morgan's EAR (pages 2, 5, 11 and 12)

Exhibit 16: PTI submittal of L003 (replacement for P019)

Exhibit 17: Verification/Certification Receipt for electronic submittal of Title V application

Exhibit 18: Fee Emissions Reports for years 1994-2003



DIVISION OF AIR POLLUTION CONTROL

ENFORCEMENT ACTION REQUEST SUMMARY TABLE

100	March (Dotor Commiss Too (Dotor Morton D	Facility/Source/Responsible Party Mallie:	Cacility Address/Source Location:	DO/LAA : Cleveland		(Y/N):	d CdSc
Nan - Hoc 2-26(Morgan Clecuo Ceranico, nico rece Contact Name and Telephone #: William J. Hocevar, Facility Manager (440) 232-2600 Ext. 278	#;		Contact Name: Valencia White Telephone #: (216) 664-2953		Yes (Haz Waste settle Divisions Involved: DHWM and DAPC	Yes (Haz Waste settled) Divisions Involved: DHWM and DAPC
Emissions Unit	Date Violation Discovered by	Rules/Laws Violated	Violation Description and Type of Supporting Evidence (i.e. inspection, records, samples, photographs, etc.)	Supporting tographs, etc.)		Duration	
					From	To	Total days
	09/18/03	PTI #13-3371; OAC Rules	Exceeding emissions limitations of PTI #13-3371 and MACT Standard (quarterly reports)	-3371 and MACT	1998	TV: 01/05/04†	TV: 1,861
		3745-31-05(A)(3) & 3745-77-04(D); ORC	Failure to submit a Title V permit application (inspection)	(inspection)	o5/01/03	Unknown	Continuing
		Sections 3704.036(C), 3704.05(A), (C), (F),					
	,	(G) & (J)(2); 40 CFR 70 Section 70.5(A)(1)			i de la companio de l		
Jnassigned replaced	09/18/03	40 CFR 63 Subpart T; OAC Rules	Exceeding emissions limitations of MACT Standard (quarterly reports)	andard	PTI: 07/01/1999	PTI: 01/05/04† PTI: 1,649	PTI: 1,649
P019)		3745-31-02(A)(1) & 3745-77-04(D); ORC	Failure to submit a Title V permit application (inspection) Failure to submit a permit-to-install application (inspection)	n (inspection) ion (inspection)	Title V: 07/01/2000	Title V: 01/05/04†	Title V: 1,283
	A49.	Sections 3704.036(C),	·		Emissions: 03/01/2003	Emission: Unknown	Emissions: Continuíng
		3704.05(F), (G) & (J)(2); 40 CFR 70 Section 70 5(A)(1)					



Facility

†Expected date based on letter issued by CDAQ on 12/04/03.



DO / I AA Action	Date	Response	Action Required to Correct	Corrective /	Corrective Action Costs	Current Compliance
(NOV, warning letter,		Received (date)	Violations	(i.e. addition	(i.e. additional controls)	Status
6				Total installed	Total installed Annual	
				record	and year of	
					record	
Notice of Violation	10/11/03	10/30/03	Submittal of PTI and Title V applications	N/A -	N/A	Not in Compliance
			and fees	paperwork	paperwork	
Receipt of Corrective 11/11/03	11/11/03	11/26/03	Submittal of PTI and Title V applications	N/A -	N/A -	Not in Compliance
Artion Plan			and fees	paperwork	paperwork	
Receipt of Corrective 12/04/03	12/04/03	12/23/03	Submittal of PTI and Title V applications	N/A -	N/A -	Not in Compliance
Action Plan			and FERs	paperwork	paperwork	
Commente/Notas P	019 was removed	in 1999 and rer	Comments Notes P019 was removed in 1999 and replaced by a Finishing Equipment 6342 Vapor Degreaser	Degreaser.		

To:

Jim Orlemann, Ohio EPA CO – DAPC Enforcement Committee Contact

Jeanne Mallet, Ohio EPA CO - Supervising Air Attorney

From: Valencia White, CLAA - Environmental Enforcement Specialist II

1. GENERAL INFORMATION CONCERNING THE FACILITY:

(a) Facility Name:

Morgan Electro Ceramics, Inc.

Facility Address:

232 Forbes Road

Facility Mailing Address: Bedford, Ohio 44146

(b) Contact Name:

William J. Hocevar, Facility Manager

Mailing address:

232 Forbes Road

Email address:

www.morganelectroceramics.com

(c) Facility ID#:

13-18-03-1627

County:

Cuyahoga

(d) Responsible facility personnel (OAC Rule 3745-77-01(GG)) and contact:

Name:

Title:

Telephone Number:

Peter Morten

President

(440) 232-2600

LAWEENEGREENT INVESTIGATORY RECORD an Crucible Company plc

What is the relationship to parent:

Cleveland Division of Air Quality

Parent's Mailing Address:

Morgan House, Madeira Walk, Windsor, Berkshire,

SL4 1EP, United Kingdom

Parent's Contact Name:

Warren Knowlton, CEO

(f) Name of other responsible company or predecessor, if any:

N/A

Other Mailing Address:

N/A

Other Contact Name:

N/A

(q) Name of landowner (if applicable):

Mm Piezo Products Inc. A Corp.

Landowner's Mailing Address:

232 Forbes Road Bedford, Ohio 44146

Landowner's Contact Name:

William Hocevar

(h) Type of facility:

Mega-site

Title V Major

Title V Synthetic Minor PTI

FESOP

Natural Minor

PSD

Emissions Offset

PSD/NSR Synthetic Minor PTI NESHAP

MACT NSPS

If the facility is a TV major, please indicate for which pollutants:

VOC

PE

ΙΕΔΓ

OC

 SO_X

 NO_X

HAPs

2. GENERAL DESCRIPTION OF VIOLATION(S):

- (a) Describe the general business performed by the facility and the function(s) of the pertinent emissions unit(s) or activity(ies).
 - Morgan Electro Ceramics is a subsidiary of the Morgan Crucible Company, which manufactures piezoelectric ceramics for use in computer chips and pacemakers.
- (b) Identify any complaints from the public against this facility, including any alleged, adverse health or welfare effects. (Attach a copy of any written complaints.)

 None known.
- (c) Describe any actual adverse environmental or health effects as a result of the violation(s).

None known.

- (d) Identify any witnesses to the violation(s) (e.g., CDAQ staff, employees, members of the community, etc.).
 - David Pruchenski (CDAQ), Andrew D. Shroads (CDAQ), Valencia White (CDAQ), Kristen Switzer (NEDO-DAPC), and Wade Balser (NEDO-DHWM)
- (e) Describe any extenuating circumstances that explain or mitigate the violation(s) (for penalty mitigation purposes).
 - Morgan based their calculations for potential to emit (to determine Title V applicability) on actual emissions estimates rather than on the required emissions calculation utilizing 40 CFR 63 Subpart T.
 - Morgan self-disclosed an emissions exceedance on L001 in their March 10, 2000, Annual Report.
- (f) Has the facility shown extraordinary cooperation in achieving compliance and how (for penalty mitigation purposes)? Explain.
 - No, see next question.
- (g) Has the facility exhibited extraordinary willfulness or negligence and how (for penalty augmentation purposes)? Explain.
 - The facility has shown extraordinary negligence by insisting that they are not a Title V facility. Morgan's initial response to our NOV (Exhibit #12, Page 4) and statements made during the inspection indicated their continued belief that they were not a Title V facility and that no violations actually occurred. CDAQ had to issue another letter further explaining the situation in greater detail before Morgan overcame their reluctance and submitted an acceptable corrective action plan to return to compliance.

Additionally, Morgan has historically submitted information late (1995 and 1996 FERs submitted on 12/22/97; PTO application for L001 two months after requested and one

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year after operation).

(h) Does the facility have a history of noncompliance (for penalty augmentation purposes)? Explain.

L001 exceeded the 150 kg/m 2 /month limitation from 10/01/1999 through 12/31/1999. Both CDAQ and US EPA agreed that further enforcement was not warranted at the time.

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- (i) Are there any unique factors concerning the violation(s) that should augment or mitigate any penalty (e.g., non-complying total emissions are small in quantity)? Explain.
 - Morgan did submit a Title V permit application on September 27, 1996, however, the facility requested in a letter dated February 6, 1998, that the Title V permit application be withdrawn.
 - CDAQ issued a letter on February 9, 1999, stating that a PTI modification to P019 was not required, however, that is consistent with Ohio EPA policy and guidance. P019 was replaced with a new emissions unit, which would necessitate a new PTI, not a modification to an existing PTI.
- (j) Complete Attachment I, Chronological List of Events by describing in chronological order the communications with the facility concerning the violation(s) (including letters, telephone calls, meetings). Attach in chronological order copies of all correspondence, memoranda, laboratory and inspection data, photographs, permits, etc. that relate to the violation(s). Number each exhibit and complete Attachment II, Index of Attached Exhibits to serve as an index or table of contents for the exhibits.
- (k) Describe the measures the facility has taken and/or is taking to remedy the violation(s). Are these measures adequate? If possible, provide an estimate of the costs to remedy the violation(s) (i.e., total installed capital costs and year of record, and annual operation and maintenance costs and year of record) and the date the control equipment was installed and began operating or process modification was completed. (Note: This is important information to obtain in writing from the facility.)

Morgan has agreed to submit Title V applications and a PTI for P019 (see Exhibit #14). To date, Morgan has failed to submit a corrective action plan for submission of Fee Emissions Reports or Emissions Inventory Statements. Also, Morgan has failed to explain why the emissions exceedance occurred in 2003 and what corrective actions will be taken to correct the deviation.

On December 29, 2003, CLAA received a PTI application for L003: Finishing Equipment 6342 Vapor Degreaser (replaced P019) (see Exhibit #16). On February 10, 2004, CLAA received Fee Emissions Reports for years 1994-2003.

(I) Provide the facility's proposed compliance schedule, if available.

Morgan proposes to submit the required Title V permit and permit-to-install applications by January 5, 2004. CDAQ has requested completed FER and EIS submittals for previous years also by that date. No date has been established for submission of information regarding the 2003 emissions exceedance.

Is the proposed compliance schedule expeditious? If not, how should the schedule be modified?

Yes, as long as the required applications and FERs are submitted.

On January 14, 2004, CLAA received a Title V Verification/Certification Receipt for

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Morgan Electro Ceramics electronic submittal of the Title V application (see Exhibit #17) On February 10, 2004, CLAA received Fee Emissions Reports for the years 1994-2003.

3. REQUEST FOR ENFORCEMENT ACTION:

(a) Names and telephone number of all OEPA District Office and/or local agency personnel responsible for, or having information on, this entity or violation(s):

<u>Name</u>	<u>Agency</u>	Telephone Number
Valencia White	CLAA	(216) 664-2953
Andrew D. Shroads	CLAA	(216) 664-3213
Wade Balser	NEDO-DHWM	(330) 963-1278

(b) What type of enforcement action is recommended and why?

Director's F&Os w/ penalty and US EPA Referral

CDAQ feels that Director's Findings and Orders with financial penalty provide an expeditious resolution to this matter, a sufficient deterrent for future non-compliance issues, and adequately penalizes Morgan for past violations. A US EPA referral is recommended since they are currently investigating the company's violations of 40 CFR 63 Subpart T.

- (c) Are there additional parties that should be pursued?

 None known.
- (d) Does this case require immediate attention or relief (e.g., Temporary Restraining Order or Preliminary Injunction)?

No.

- (e) Are there any pollution prevention projects that could be considered for credit projects? If so, what are the projects, their costs, and environmental benefits (if known)?

 None known.
- (f) Is this a multimedia enforcement case? If so, explain.

Possibly. CDAQ was informed by Wade Balser from Ohio EPA NEDO-DHWM that enforcement action was taken by Ohio EPA DHWM previously against this company and a settlement reached. CDAQ has no knowledge of other existing pending enforcement actions against Morgan. US EPA is also investigating the emissions exceedances in 2003.

4. SPECIFIC INFORMATION CONCERNING THE NON-COMPLYING EMISSIONS UNIT(S) [SOURCE(S)]:

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Complete attached tables; duplicate as needed.

- 4.a <u>Permit and Process Information</u>: Provide the requested information for each pertinent emissions unit or activity. For the "Attachments" section, please place an "X" in each field as applicable to identify an attachment to this EAR).
- 4.b <u>Emissions</u>: Provide the requested information for each relevant pollutant for each pertinent emissions unit or activity. For emissions units with more than one relevant pollutant, use a separate column for each pollutant (example: Column #1, Emissions Unit: K001, Pollutant: CO; Column #2, Emissions Unit: K001, Pollutant: VOC; Column #3, Emissions Unit: P001, Pollutant: VOC, etc.).
- 4.c <u>Violations</u>: Provide the requested information for each violation for each pertinent emissions unit. For emissions units with more than one violation, use a separate column for each violation [see example in 4(b) above].

Prepared by:		Date:
,	Valencia White, Env. Enforce. Spec.	II
Approved by:	Andrew D. Shroads, Enforcement Ma	Date:
Approved by:	George Baker, Chief of Enforcement	Date:
Approved by:	Richard Nemeth, Commissioner of A	Date:ir Quality

LAW ENFORCEMENT INVESTIGATORY RECORD



\Box Specific Information Concerning the Non-Complying Emissions Unit(s) or Sources

	4(a) Perr	nit and Process Information	
Emissions Unit:	L001	Unassigned (replaced P019)	Facility
Process description	Open-top Perchloroethylene Vapor Degreaser (VPD-34)	Finishing Equipment 6342 Open top Vapor Degreaser	All emissions units
PWR (max)	N/A	N/A	N/A
Control equipment	Refrigerated freeboard chiller and condenser	Refrigerated freeboard chiller and condenser	N/A
Operating schedule (days/year or weeks/year)	2400 hrs/yr or 100 days/yr	2400 hrs/yr or 100 days/yr	8760 hrs/yr or 365 days/yr
		nit to Install Information	1971 - AND LONG.
PTI#:	13-3371	None	N/A
Application type: (Synthetic Minor, PSD, etc.)	N/A	None	N/A
Date application submitted:	11/18/97	Not yet received	N/A
Date issued:	10/07/1998	N/A	N/A
Date modified:	01/21/1999	N/A	N/A
Installation start date:	11/01/1997	07/01/1999	N/A
Installation completed date:	12/01/1997	07/01/1999	N/A
Operation start date:	12/01/1997	07/01/1999	N/A
Operation shutdown date:	N/A	N/A	N/A
Operating Permit Information			
Type: (Title V, FESOP, PTO)	Title V	Title V	Title V
Date application submitted:	09/27/1996 (withdrawal req. 02/06/1998)	Never submitted	09/27/1996 (withdrawal req. 02/06/1998)
Date issued:	N/A	N/A	N/A
Date modified:	N/A	N/A	N/A
Date expires(d):	N/A	N/A	N/A
		ompliance Information	
Date(s) of inspection(s):	09/18/2003 and 10/06/2003	09/18/2003 and 10/06/2003	09/18/2003 and 10/06/2003
Date of last compliance demonstration:	09/18/2003	09/18/2003	09/18/2003

LAW ENFORCEMENT INVESTIGATORY RECORD



\square Specific Information Concerning the Non-Complying Emissions Unit(s) or Sources

Comments:	None.	None.	None.
	Exhibits (include Exhibit #)		
Exhibits:	8, 9, 10, 11, 12,	9, 11, 12, 13, 14	All
	13, 14		

		4(b) Emissions	
Emissions Unit:	L001	Unassigned (replaced P019)	Facility
Pollutant(s):	Perchloroethylene	Perchloroethylene (VOC)	VOC, PE, HAP
Allowable:	2.26 lbs./hr 9.90 tpy 150 kg/m ² /month	150 kg/m ² /month	N/A
Uncontrolled:	1.75 lbs./hr 2.09 tpy 371 kg/m ² /month	200 kg/m ² /month (January-March 2003) 785 kg/m ² /month (April-June 2003)	N/A
Actual:	1.75 lbs./hr 2.09 tpy 371 kg/m ² /month	200 kg/m ² /month (January-March 2003) 785 kg/m ² /month (April-June 2003)	N/A
Comments:	371 kg/m ² /month from April - June 2003; see comment to the right	Morgan's rolling 3 month average is reported incorrectly in lbs./ft ² /month, however their monthly report when converted to the proper units, is correct	N/A

		4(c) Violations	107500
Emissions Unit:	L001	Unassigned (replaced P019)	Facility
Violation description:	Operating without a Title V permit and exceeding	Operating without a PTI, a Title V permit and exceeding emissions limitations	Operating without a Title V permit; failure to submit
	emissions limitations		Title V FER/EIS; Late FER/EIS
Permit Term(s)/ Rule(s) violated:	PTI #13-3371; OAC Rules 3745-31-05(A)(3) & 3745-77-04(D); ORC Sections 3704.036(C), 3704.05(A), (C). (F), (G) & (J)(2); 40 CFR 70 Section 70.5(A)(1)	40 CFR 63 Subpart T; OAC Rules 3745-31-02(A)(1) & 3745-77-04(D); ORC Sections 3704.036(C), 3704.05(F), (G) & (J)(2); 40 CFR 70 Section 70.5(A)(1)	OAC Rules 3745-77-04(D), 3745-78-02(A), & 3745-15-03; ORC Sections 3704.036(C), 3745.11(C)(1); 3704.05(F), (G) & (J)(2); 40 CFR 70 Section 70.5(A)(1)
Start date:	TV: 12/01/1998 Emissions: 05/01/03	PTI: 07/01/1999 Title V: 07/01/2000 Emissions: 03/01/2003	TV: 09/30/1996 Fee: 04/15/1998 Late 95: 4/15/96 Late 96: 4/15/97

LAW ENFORCEMENT INVESTIGATORY RECORD



☐ Specific Information Concerning the Non-Complying Emissions Unit(s) or Sources

Return to	TV: 1/05/04 (exp)	PTI: 01/05/2004 (expected)	TV & Fee:
comp-liance	Emissions:	Title V: 01/05/2004 (expected)	01/05/2004
date:	Unknown	Emissions: Unknown	(expected)
			Late: 12/22/97
Duration (days):	TV: 1,861 days	PTI: 1,649 days; Title V: 1,283 days;	TV: 2,653 days
	Emit: Continuing	Emissions: Continuing	Fee: 2,091 days
			Late 95: 616 days
			Late 96: 251 days
NOV date:	1 st : 10/10/2003	1 st : 10/10/2003	1 st : 10/10/2003
	2 nd : 11/11/2003	2 nd : 11/11/2003	2nd: 11/11/2003
Response date:	1 st : 10/30/2003	1 st : 10/30/2003	1 st : 10/30/2003
	2 nd : 11/26/2003	2 nd : 11/26/2003	2 nd : 11/26/2003
Corrective	Submit Title V	Submit Title V application and PTI	Submit Title V
actions:	application;	application; correct problem that	application;
	correct problem	caused emissions exceedance	Pay past fees and
	that caused		submit past
	emissions		FER/EIS
	exceedance		statements
Estimated cost	N/A -	N/A – "paperwork" violation	N/A -
of corrective	"paperwork"		"paperwork"
actions:	violation		violation
Comments:	N/A	N/A	N/A



ATTACHMENT 1: CHRONOLOGICAL LIST OF EVENTS

Date:	Event:	
August 15, 1995	Reporting the existence of vapor degreasers at Morgan	
Sept. 29, 1995	1 St Warning Letter request Morgan to submit Title V application	
Oct. 10, 1995	Fax of air pollution control fees and Title V applicability questionnaire to Morgan from CLAA	
Oct. 13, 1995	Submittal of the Title V applicability questionnaire and emissions fees, Morgan indicating on questionnaire that they are not Title V.	
Sept. 27, 1996	Electronic submittal of Title V Application through STARS	
Feb. 6, 1998	Request to withdraw Title V application for Morgan.	
Feb. 18, 1998	Letter from CLAA stating that the Title V permit will be withdrawn and requiring Morgan to submit permit to operate applications for applicable sources.	
Sept. 3, 1998	1 st Warning Letter from CLAA for not submitting a permit to operate application for L001	
Oct. 20, 1998	2 nd Warning Letter from CLAA for not submitting a permit to operate application for L001	
Nov. 20, 1998	Morgan submits PTO application for L001.	
Feb. 9, 1999	P019 modification letter	
Feb. 18, 1999	Clicker Note added in STARS permitting Activity Log by Erica Engel-Inshida	
March 24, 2000	Exception report from Morgan to US EPA for L001.	
April 8, 2003	Letter from Morgan including information for PIPL determination (non-TV)	
Sept. 18, 2003	Information received from Morgan for Compliance Inspection	
Oct. 6, 2003	Calculations from Inspection Report	
Oct. 10, 2003	Notice of Violation from CLAA	
Oct. 13, 2003	Inspection Report	
Oct. 30, 2003	Response to Notice of Violation from Morgan	
Nov. 11, 2003	Clarification letter for Morgan from CLAA	
Nov. 26, 2003	Corrective Action Plan received from Morgan	
Dec. 4, 2003	Receipt of Corrective Action Plan from CLAA	
Dec. 29, 2003	Morgan submits PTI application for L003 (replacement for P019)	
Jan. 14, 2004	Morgan electronically submits Title V applications through STARS	
Feb. 10, 2004	Morgan submits FERs for years 1994-2003	

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ATTACHMENT 2: INDEX OF ATTACHED EXHIBITS

Exhibit #:	Date:	Description of Exhibit (NOV, letter, report, etc.)
1	8/15/95	Letter from Morgan indicating the number of Vapor
		Degreasers
2	9/29/95	1 st Warning Letter from CLAA for Title V applicability
3	10/10/95	Fax from CLAA enclosing a Title V questionnaire for
		Morgan
4	10/13/95	Fax received form Morgan
5	2/6/98	Request to withdraw Title V application received from
		Morgan
6	2/18/98	Letter form CLAA stating that the Title V application will
		be withdrawn
6A	9/98-11/98	Letters of Warning and PTO application for L001
6B	2/9/1999	P019 modification letter
7	2/18/1999	Clicker Note added in STARS permitting Activity Log by
,		Erica Engel-Inshida
8	March 24, 2000	Exception report from Morgan to US EPA for L001.
8A	April 8, 2003	Letter from Morgan including information for PIPL
		determination (non-TV)
9	Sept. 18, 2003	Information received from Morgan for Compliance
40	0.1 6 2002	Inspection
10	Oct. 6, 2003	Calculations from Inspection Report
10A	Oct. 13, 2003	Inspection Report
11	Oct. 10, 2003	Notice of Violation for operating
12	Oct. 30, 2003	Response to Notice of Violation from Morgan
13	Nov. 11, 2003	Clarification letter for Morgan from CLAA
14	Nov. 26, 2003	Corrective Action Plan received from Morgan
15	Dec. 4, 2003	Receipt of Corrective Action Plan from CLAA
16	Dec. 29, 2003	Morgan's PTI submittal for L003 (replacement for P019)
17	Jan. 14, 2004	Verification/Certification Receipt for electronic submittal of Morgan's Title V application
18	Feb. 4, 2004	Morgan's submittal of Fee Emissions Reports for years 1994-2003